

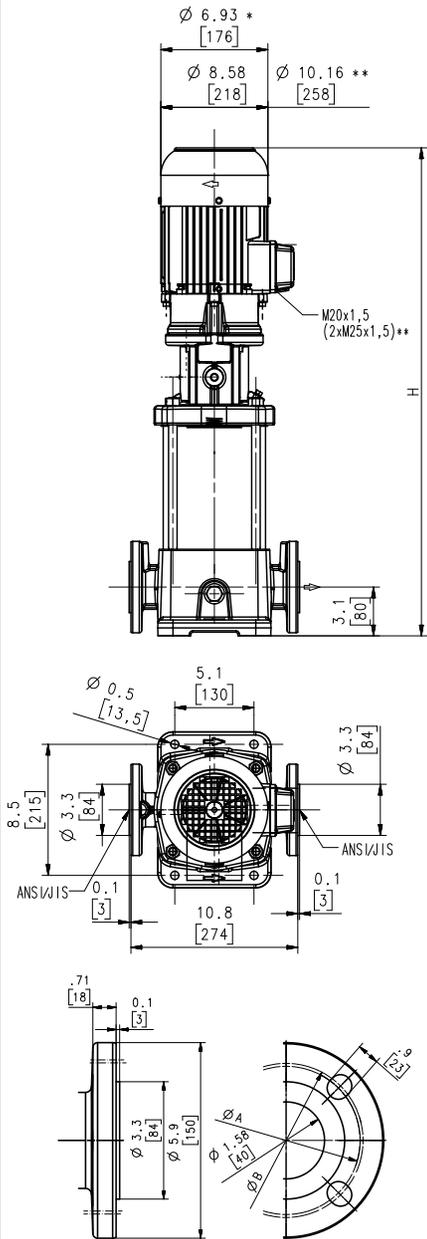
Inline pressure boosting pumps

IH11

Closed impellers



IH1102...1114



1 1/2" ANSI / JIS

Dimensions in Inches / mm
 DN40 / PN25 upon request
 A=Ø4.49 Inches/114 mm 1 1/2" ANSI
 B=Ø4.72 Inches/120 mm JIS 1 1/2"
 *) Dimensions IH1102...1104
 **) Dimensions IH1112...1114

Type	Flow at head	Height	Weight		Power	Voltage	Fre-	Current	Speed
	GPM /Feet l/min /m	H inch mm	Lbs	kg	HP kW	3~ V	quen- cy Hz	AMPS	RPM
IH1102S33	37.5/100	34.9	114.7	52	2.0	230	60	5.4	3500
	150/30	887			1.49	460	60	2.7	3500
IH1104S33	37.5/200	37.2	127.9	58	3.9	230	60	10.2	3480
	150/59	945			2.94	460	60	5.1	3480
IH1106S33	37.5/300	38.7	158.8	72	6.1	230	60	15.8	3520
	150/90	984			4.55	460	60	7.9	3520
IH1109S33	37.5/455	39.9	172	78	8.4	230	60	20.8	3510
	150/138	1014			6.3	460	60	10.4	3510
IH1112S52	37.5/600	50.6	251	114	11.5	230	60	27.8	3550
	150/180	1286			8.6	460	60	13.9	3550
IH1114S52	37.5/705	50.6	267	121	13.8	230	60	31.6	3550
	150/212	1286			10.3	460	60	15.8	3550



Inline pressure boosting pumps

are **multi-stage** centrifugal pumps with suction and discharge ports arranged on the same axis (inline). They operate with **closed impellers**, achieving **optimal hydraulic performance** with low motor power. Inline pumps of this design are not self-priming.

Having **opposing suction and discharge ports**, the pumps can be installed in horizontal pipelines or connected directly to the tank.

The pumps of the IH series are suitable, for example, for supplying coolant to internally cooled tools.

Please see medium pressure pumps features in the Technical Information section of this catalog or call 248-926-9400 for details.

Applications

- Types of fluid
 - Industrial water
 - coolants
 - cooling/cutting oils
- Kinematic viscosity
 - ...115 SSU (...25 mm²/s)
 - higher viscosity upon request
- Pumping temperature
 - 30...175 °F (0...80 °C)

Construction

Pump body	cast iron
Connection cover	cast iron
Casing cover	cast iron
Impellers	CrNi-steel
Shaft	CrNi-steel
Diffusers	CrNi-steel
Mechanical seal	SiC
O-rings	Viton [®]
Optional:	
Connection cover	CrNi-steel
Casing cover	CrNi-steel
Noise level (Motor only; Tolerance +3 dBA)	
IH1102...IH1104	66 dBA
IH1106...IH1109	74 dBA
IH1112...IH1114	77 dBA

